

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) An information processor which implements a service by cooperatively operating at least first and second job processors, the first job processor to execute a first job processing in accordance with a first process description defined in instruction data, the second job processor to execute a second job processing, which is a different type of processing from the first processing, in accordance with a second process description defined in the instruction data including the first process description, the information processor comprising:

an encryption processor which encrypts the first and second process descriptions defined in the instruction data so that the first process description is decryptable for the first job processor and is not decryptable for the second job processor, and so that the second process description is decryptable for the second job processor and is not decryptable for the first job processor, and

a transmitter which sends the instruction data, in which the first and second process descriptions are encrypted by the encryption processor, to at least one of the first and second job processors, processors,

wherein,

when the instruction data instructs the second processing to be carried out later than the first processing,

the encryption processor encrypts the second process description using a second public key corresponding to a private key of the second job processor, and further encrypts the first process description and the second process description encrypted by the

second public key using a first public key corresponding to a private key of the first job processor.

2-5. (Canceled)

6. (Currently Amended) An information processor contained in a system which implements a service through cooperative operation of a plurality of job processors, the information processor comprising:

a receiver which receives instruction data, the instruction data including a first process description representing a first processing to be processed by a first job processor and a second process description representing a second processing to be processed by a second job processor, the first process description being decryptable for the first job processor and not being decryptable for the second job processor, the second process description being decryptable for the second job processor and not being decryptable for the first job processor;

a decryption processor which decrypts the first process description in the instruction data received by the receiver;

a processing section that executes the first processing in accordance with the decrypted first process description;

a delete section which deletes the first process description decrypted by the decryption processor from the instruction data, and

a transmitter which sends the instruction data, from which the first process description is deleted by the delete section, to the second job processor which subsequently executes the ~~second processing~~ processing,

wherein,

when the instruction data instructs the second processing to be carried out later than the first processing,

an encryption processor encrypts the second process description using a second public key corresponding to a private key of the second job processor, and further encrypts the first process description and the second process description encrypted by the second public key using a first public key corresponding to a private key of the first job processor.

7. (Currently Amended) An information processing method carried out by a computer which implements a service by cooperatively operating at least first and second job processors, the first job processor to execute a first job processing in accordance with a first process description defined in instruction data, the second job processor to execute a second job processing, which is a different type of processing from the first processing, in accordance with a second process description defined in the instruction data including the first process description, the information processing method comprising the steps of:

encrypting the first and second process descriptions defined in the instruction data so that the first process description is decryptable for the first job processor and is not decryptable for the second job processor, and so that the second process description is decryptable for the second job processor and is not decryptable for the first job processor, and

sending the instruction data, in which the first and second process descriptions are encrypted, to at least one of the first and second job ~~processors~~ processors,

wherein,

when the instruction data instructs the second processing to be carried out later than the first processing,

the second process description is encrypted using a second public key corresponding to a private key of the second job processor, and the first process description and the second process description encrypted by the second public key are encrypted using a first public key corresponding to a private key of the first job processor.

8. (Currently Amended) An information processing method carried out by at least one job processor contained in a system which implements a service through cooperative operation of a plurality of job processors in a predetermined order, the information processing method comprising the steps of:

receiving instruction data, the instruction data including a first process description representing a first processing to be processed by a first job processor and a second process description representing a second processing to be processed by a second job processor, the first process description being decryptable for the first job processor and not being decryptable for the second job processor, the second process description being decryptable for the second job processor and not being decryptable for the first job processor;

decrypting the first process description in the received instruction data;
executing the first processing in accordance with the decrypted first process description;

deleting the decrypted first process description from the instruction data; and
sending the instruction data, from which the decrypted first process description has been deleted to the second job processor which subsequently executes the second processing.

wherein,
when the instruction data instructs the second processing to be carried out later than the first processing,

the second process description is encrypted using a second public key corresponding to a private key of the second job processor, and the first process description and the second process description encrypted by the second public key are further encrypted using a first public key corresponding to a private key of the first job processor.

9. (Currently Amended) A job processor which carries out a job according to a process description defined in instruction data, the job processor comprising:

an encryption processor which encrypts first and second process descriptions defined in the instruction data for at least one of a first job processor and a second job processor, the first job processor to execute a first job processing in accordance with a first process description defined in the instruction data, and the second job processor to execute a second processing, which is a different type of processing from the first processing, in accordance with the second process description defined in the instruction data including the first process description, so that the first process description is decryptable for the first job processor and is not decryptable for a second job processor, and so that the second process description is decryptable for the second job processor and is not decryptable for the first job processor, and

a transmitter which sends the instruction data, in which the first and second process descriptions are encrypted by the encryption processor, to at least one of the first and second ~~job processors.~~ processors.

wherein,

when the instruction data instructs the second processing to be carried out later than the first processing,

the second process description is encrypted using a second public key corresponding to a private key of the second job processor, and the first process description and the second process description encrypted by the second public key are further encrypted using a first public key corresponding to a private key of the first job processor.

10. (Currently Amended) A job processing method in which processing is carried out according to a process description defined in instruction data, the job processing method comprising the steps of:

receiving instruction data, the instruction data including a first process description representing a first processing to be processed by a first job processor and a second process description representing a second processing to be processed by a second job processor, the first process description being decryptable for the first job processor and not being decryptable for the second job processor, the second process description being decryptable for the second job processor and not being decryptable for the first job processor;

decrypting the received first process description;

executing the first processing in accordance with the decrypted first process description;

deleting the decrypted first process description from the instruction data; and

sending the instruction data, from which the first process description is deleted, to the second job processor which subsequently executes the second ~~processing~~ processing.

wherein,

when the instruction data instructs the second processing to be carried out later than the first processing,

the second process description is encrypted using a second public key corresponding to a private key of the second job processor, and the first process description and the second process description encrypted by the second public key are further encrypted using a first public key corresponding to a private key of the first job processor.

11. (Canceled)